

**Oklahoma State University Institute of Technology**  
**Online Common Syllabus**  
Spring 2018

**CNS 2693 PRINCIPLES OF CONSTRUCTION MANAGEMENT**

Students study construction management principles and techniques and learn the application of these principles through lecture, case studies and laboratory experiences. Topics covered include planning, organizing, staffing, directing, cost and risk control, subcontractor management, purchasing and project start up and close out procedures for a commercial construction project.

**Course Purpose:**

The purpose of this course is to familiarize the students with the terms and techniques typically used in the management of a commercial construction project.

**Type of Course:** Theory

**Credit Hours:** 3; Total clock hours of theory per semester: 45.

**Class Length:** Full Semester

**Class Format:** Fully Online

**Class Days and Times:** N/A

**Prerequisites:** CNS 2432

**Instructor Name:** Darren Woodard

**Instructor Phone:** (918) 293-4738

**Office:** Bldg. CNS 1 Room #105

**Instructor Email:** [darren.woodard@okstate.edu](mailto:darren.woodard@okstate.edu)

**Contact:** My preferred method of contact is e-mail. Please allow 24-48 hours to return your correspondence during the normal work week.

**Instructor's Office Hours:** By appointment

**School Name:** Construction Technologies

**School Main Phone:** 918-293-4742

**REQUIRED TEXT, REFERENCES, AND MATERIALS**

**Texts:** Project Management in Construction, Seventh Edition, Sidney M. Levy, McGraw Hill, ISBN 978-1259859700

**References:** None

**Materials:** notebook, writing utensils, flash drive, computer and internet connection

**Uniform/Tools:** None

**Estimated Cost for Materials:** \$ 200.00 - \$700.00

**Estimated Cost for Uniform/Tools:** \$ None

**Optional Resources:** None

**Upon completion of the course, students should:**

<b>Course Objectives</b>	<b>Assessment of Objectives</b>
Demonstrate an understanding of the phases of a construction project.	Written assignments and tests
Using case studies compare and contrast bidding strategies.	Written assignments and tests
Describe two negotiation strategies and provide examples of each.	Written assignments and tests
Demonstrate an understanding of sustainable construction by applying industry accepted “green” standards to an existing construction project.	Written assignments and tests
Analyze the benefits of formal partnering.	Written assignments and tests
Discuss how Total Quality Management impacts construction project, both positively and negatively.	Written assignments and tests
Analyze the financial documents of a construction project. From the analysis determine whether the project is on budget or not.	Written assignments and tests
Perform value engineering on a construction project to determine if costs can be reduced and if so, where and how much.	Written assignments and tests

Aspects of the course objective assessments may be used in the university’s assessment of student learning. If applicable, an asterisk (\*) above indicates this assignment is used in the university assessment program.

**COURSE ACTIVITIES**

In this course students will:

- Participate in class discussions and activities.
- View videos that depict the various concepts.
- Take examinations.
- Complete reading assignments.
- May be required to do quizzes.

**EVALUATION - GRADES WILL BE BASED ON THE QUALITY AND COMPLETION OF THESE TASKS:**

Participation	10%
Unit Exams	80%
Final Exam	10%
<b>Total</b>	<b><u>100%</u></b>

<p><b>OSUIT Grading Scale</b></p> <p>A = 90%-100%</p> <p>B = 80%-89%</p> <p>C = 70%-79%</p> <p>D = 60%-69%</p> <p>F = 59% &amp; below</p>
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\*The student's grade for this assignment will be used in the university's assessment of student learning. A 70% competency or higher receives a Pass rating. This Pass/Fail rating is independent of the student's course grade.

Daily and/or weekly quizzes, small weekly assignments and similar type projects: Normal return time to student by next class meeting or no later than one (1) week.

Extensive assignments, large lab projects, extensive quizzes, exams and similar type projects: Normal return time to students in one (1) to two (2) weeks.

### **RECOMMENDED STUDENT COMPETENCIES/SKILLS**

Students must be able to read at a college level.

### **AUTHORIZED TOOLS**

Students may use any/all course materials, including books and notes, while participating in classroom activities. All quizzes and written assignments are to be completed independently; no collaboration with classmates is permitted and any instance of such will be considered academic dishonesty.

### **LATE WORK**

No late assignments will be accepted without prior arrangements

### **TESTING**

Exams will be taken on campus in the construction computer lab

### **OTHER LAB AND CLASSROOM POLICIES**

None

### **ONLINE COURSE INTERACTION**

OSUIT requires all online courses to include interaction between students, peers and instructors. Our online courses use a variety of tools to build a community of learners and strengthen engagement between students and their peers, as well as between students and the instructor. Communication tools used in courses may include Discussion, News, and Email. Read the syllabus completely to determine which of these methods you, your classmates and your instructor will use for interaction.

General guidelines for student conduct while interacting within an online course include: (1) Use proper language in all communications; (2) Harassment of any type will not be tolerated; (3) No jokes, insults or threats of an offensive nature.

For more information, go to: <http://osuit.edu/center/netiquette>

### **SYLLABUS ATTACHMENT**

View the Syllabus Attachment, which contains other important information, by visiting [http://osuit.edu/center/student\\_syllabus\\_information](http://osuit.edu/center/student_syllabus_information)

<b>Course Schedule</b>			
<b>Course Outline Schedule</b>	<b>Topic</b>	<b>Assignment</b>	<b>Due Date</b>
Week 1	Syllabus & Introduction to the Construction Industry	Watch Power Point/Video & Read Chpt. 1 & 2	1/05/2018
Week 2	General Conditions	Watch Power Point/Video & Read Chpt. 3	1/12/2018
Week 3	Consensus Docs	Exam #1	1/15/2018 or 1/16/2018
Week 4	Contracts	Watch Power Point/Video & Read Chpt 4	1/26/2018
Week 5	Bonds & Insurance	Watch Power Point/Video & Read Chpt. 5	2/02/2018
Week 6	Project Team	Watch Power Point/Video & Read Chpt. 6	2/09/2018
Week 7	Review	Exam #2	2/12/2018 or 2/13/2018
Week 8	Project Completion & Closeout	Watch Power Point/Video & Read Chpt. 7	2/23/2018
Week 9	Estimating	Watch Power Point/Video & Read Chpt. 8	3/02/2018
Week 10	Buy Out	Watch Power Point/Video & Read Chpt. 9	3/09/2018
Week 11	Review	Exam #3	3/12/2018 or 3/13/2018
	Spring Break		
Week 12	Change Orders	Watch Power Point/Video & Read Chpt. 9	3/30/2018
Week 13	Quality Control/Quality Assurance	Watch Power Point/Video & Read Chpt. 10	4/06/2018
Week 14	Sustainability	Watch Power Point/Video & Read Chpt. 16	4/13/2018
Week 15	Review	Final Exam	4/16/2018 or 4/17/2018

Schedule is subject to change at instructor discretion.